FLIR®

The Next Generation of Test & Measurement

Leveraging our 50-year history as the world's largest supplier of thermal imaging technology to military, government, and commercial customers, FLIR introduces a new line of test & measurement products built upon our commitment to innovation, quality, and reliability.

FLIR DM93

Diagnose VFD-controlled equipment accurately

Use Automatic Data Recording to find intermittent errors

- **VFD Mode for enhanced diagnostics**
- **LoZ reduces Ghost Voltage errors**
- **Extremely bright dual-LED worklight**
- **Bluetooth® connectivity to mobile devices**
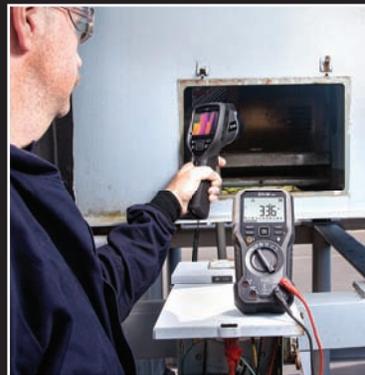- **METERLiNK® connects to FLIR IR cameras**

Prepare Yourself for VFD Troubleshooting

Finally, a digital multimeter that works as hard as you do

Helping eliminate your electrical troubleshooting guesswork, the new FLIR DM93 is a rugged DMM designed with advanced VFD filtering and shielding that help you accurately analyze non-sinusoidal waveforms and noisy signals in VFD-controlled equipment. Along with LoZ Mode to reduce ghost readings in long runs, automatic data recording to detect intermittent glitches, Bluetooth connectivity to mobile devices for safer/easier remote diagnostics, and bright LED worklights to illuminate poorly lit inspection areas, the FLIR DM93 will help you tackle your toughest jobs.

Bright LED worklights illuminate dimly lit inspection areas

METERLiNK connectivity to FLIR IR cameras

- *Advanced Power Analysis functions*
- *Extremely bright dual-LED worklight*
- *Bluetooth® connectivity to mobile devices*
- *METERLiNK® connects to FLIR IR cameras*

FLIR CM83

Power Analysis & VFD Diagnostics In One Package

World-class features that meet your real-world needs

Designed for complex diagnostics, the new FLIR CM83 is an industrial power clamp meter with premier power analysis functions, including Harmonics Mode to find noise from different electrical sources, Phase Rotation to confirm phase orientation of three-phase systems for easier motor diagnostics and installations, and Inrush Current to detect start-up related transients. Also equipped with VFD filtering to analyze non-sinusoidal waveforms and noisy signals in VFD-controlled equipment, the FLIR CM83 will help you locate electrical issues in your complex industrial and commercial systems.

Get connected with METERLiNK

LIMITED
LIFETIME
WARRANTY
LIMITED

Analyze power-related issues   *Diagnose VFD-controlled problems*

Inrush Current detects start-up current spikes

FLIRCM78

- **AC/DC (up to 1000A or 1000V)**
- **Spot-Laser IR Thermometer**
- **Type K Thermocouple**
- **Bluetooth® connectivity to mobile devices**
- **METERLiNK® connects to FLIR IR cameras**

Connect to Android devices for remote diagnostics

Multifunctional Meter Reduces Your Payload

Equip yourself to troubleshoot complex systems

The new FLIR CM78 is a 1000A, feature-rich digital clamp meter specifically designed for technicians who need temperature measurement capabilities, which is especially useful when working on industrial equipment and complex machinery. Capable of taking accurate AC/DC measurements (up to 1000A or 1000V), the FLIR CM78 features a built-in infrared thermometer for quick hot spot scans and checks on panels, conduits, and motors, while the Type K thermocouple can capture location-specific temperature readings to verify that associated current/temperature specs are correct.

Built-in DMM functionality provides versatility

Bright dual-LED worklight breaks the darkness

Spot-Laser IR thermometer for quick "hot spot" scans

Temperature/humidity sensor is field replaceable

Capture moisture readings up to 0.75" below surfaces

FLIR**MR77**

Laser IR Thermometer quickly captures surface temps

Use METERLiNK to embed moisture data into FLIR IR camera images

Moisture Detection Redefined

Take the guesswork out of your restoration & remediation projects

Expand your moisture detection capabilities with the new FLIR MR77, a rugged and feature-rich moisture meter that is designed to help you tackle critical restoration and remediation projects. The FLIR MR77 uses a pinless sensor or an external pin probe to accurately measure the moisture content up to .75" below the surface of various wood types and building materials. The FLIR MR77 also features a field-replaceable temperature/humidity sensor, Bluetooth® connectivity to mobile devices, and the ability to capture surface temperatures using a spot IR thermometer with laser pointer.

- • **Integrated pinless moisture sensor**
- • **External moisture probe on 30" wire**
- • **Field-replaceable temp/humidity sensor**

- • **Built-in IR thermometer with laser spot**
- • **High/Low Moisture and Humidity Alarms**
- • **Bluetooth connectivity to mobile devices**

FLIR**VP50**

- *Tactile feedback alarms*
- *Powerful worklight*
- *Rugged, waterproof, CAT IV-rated*

LIMITED ★ LIFETIME WARRANTY ★ LIMITED

Double-Duty Detector: NCV Tester *Plus* Worklight

Quick voltage checking and area lighting at your fingertips

The FLIR VP50 is a CAT IV-rated NCV detector that features a powerful LED worklight for illuminating dimly lit areas – great when the power is out or inspection areas are blocked. Other features include vibration feedback and multi-colored LED alarms – useful for inspections in noisy locations, a dual-LED convenience light at the probe tip for up-close work, and high/low sensitivity for detecting voltage on industrial systems, low-voltage equipment, and tamper-proof outlets.

High sensitivity mode is useful for working on low-voltage systems

Low-profile tip helps when working with safety outlets.

METERLiNK/ Bluetooth

- *Perform remote diagnostics*
- *Clarify & quantify problems*
- *Share data with colleagues*
- *Enhance project reports*

Wireless Connectivity

Bluetooth® and METERLiNK® enhance diagnostic performance and productivity

Connect your FLIR DM93, CM83, CM78, and MR77 via Bluetooth® to your mobile devices so you can perform easier and safer remote diagnostics. Also, use the free FLIR Tools Mobile® app to share data with people on the job site to speed up troubleshooting, email findings to managers to accelerate decision-making, and create professional-looking reports with impact. As an added bonus, FLIR's new meters include METERLiNK, which lets you transmit valuable diagnostic data – such as electrical loads and moisture levels – wirelessly to METERLiNK-enabled FLIR thermal cameras so that your IR images can include these readings.

Import, Process, and Share Images Quickly with FLIR Tools Mobile

Use METERLiNK to embed electrical readings into FLIR IR camera images

FLIR E&T Series

- *Home weatherization, facility maintenance, HVAC and restoration contractors*
- *Industrial maintenance, electricians, structural inspectors and energy auditors*
- *Substation & solar farm surveys, roofing companies, and industrial RCM programs*

FLIR Thermal Imaging Cameras

Use FLIR E-Series and T-Series thermal cameras to discover electrical overloading, mechanical overheating, moisture ingress, air leaks, and many other issues

FLIR's new E-Series thermal cameras feature a 3" color LCD display, wide-angle lens, intuitive one-handed camera controls, and an on-board digital camera. The new FLIR E40, E50 and E60 include a 3.5" color LCD touchscreen display, as well as a digital camera with LED lamp and laser pointer. Finally, FLIR's professional-grade T-Series cameras offer superior resolution, a rotating optical block design for flexible IR imaging from any angle, and many other premium capabilities.

FLIR